

Laboratory L&T Construction Research & Testing Centre, Larsen & Toubro Construction, TCTC Building, Ground Floor, Mount Poonamallee Road, Manapakkam, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing

Issue Date 05.02.2015

Certificate Number T-1168

Valid Until 04.02.2017

Last Amended on -

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. WATER				
1.	Water	pH value	IS 3025 (Part 11): 1983 (RA 2012)	3 to 12
		Acidity	IS 3025 (Part 22): 1986 (RA 2009) IS 456: 2000	0 to 50 ml
		Alkalinity	IS 3025 (Part 23): 1986 (RA 2009) IS 456: 2000	0.1 ml to 100 ml
		Chlorides as Cl	IS 3025 (Part 32): 1988 (RA 2009)	5 mg/l to 1000 mg/l 1000 mg/l to 16000 mg/l
		Sulphates as SO ₄	IS 3025 (Part 24): 1986 (RA 2009)	5 mg/l to 400 mg/l 400 mg/l to 2000 mg/l
		Organic solids (Volatile)	IS 3025 Part 18: 1984 (RA 2012)	20 mg/l to 200 mg/l 200 mg/l to 1000 mg/l
		Inorganic solids (Non Volatile)	IS 3025 (Part 18) : 1984 (RA 2012)	20 mg/l to 1000 mg/l 1000 mg/l to 5000 mg/l
		Suspended matter	IS 3025 (Part 17) : 1984 (RA 2012)	20 mg/l to 500 mg/l 500 mg/l to 3000 mg/l
II. BUILDING MATERIALS				
1.	Concrete Admixture	pH value of liquid admixture	IS 9103: 1999 (RA 2013)	2 to 12
2.	Clays & Soils	pH of soil	IS 2720 (Part 26):1987 (RA 2002)	4 to 12

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	Clays & Soils	Sulphates of soil	IS 3025 (Part 24):1986 (RA 2009)	5 mg/l to 400 mg/l 400 mg/l to 5000 mg/l
III.	COAL, COKE AND OTHER SOLID FUEL			
1.	Bituminous asphalt, tars and allied products	Water content	IS 1211: 1978 (RA 2009)	0 to 5 %
		Matter soluble in trichloro-ethylene	IS 1211: 1978 (RA 2009)	0 to 100 %
		Loss on heating	IS 1211: 1978 (RA 2009)	0 to 2.5 %
		Wax content	IS 10512: 2003 (RA 2009)	0 to 2.5 %

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